

KS-528

Water-Based Anti-Slip Waterproof Coating (Quick-Drying Type)



Product Description

KS-528 high-viscosity, quick-drying water-based asphalt-based waterproof coating is a single-component waterproof coating made from high-quality emulsified asphalt and special fillers. The product features low VOCs, easy application, high-efficiency quick-drying, excellent viscosity, and strong anti-sagging properties. Multiple coats can be applied within a day, effectively improving construction efficiency. It can be combined with asphalt membranes to form a complete waterproof system, and is particularly suitable for side walls and facades where sagging is likely.

Where To Use

Suitable for waterproofing underground engineering and concrete roofing projects in industrial and civil buildings, it can be combined with asphalt membrane to form an integrated waterproofing system, and is especially suitable for side walls and facades and other areas prone to dripping.

Product Features

- High-efficiency and quick-drying: Single coat thickness $\geq 0.6\text{mm}$; under standard testing conditions, surface drying time ≤ 1 hour, complete drying time ≤ 2 hours; can be sprayed or roller coated; fast drying speed saves construction time.
- Excellent adhesion: Possesses super strong adhesion; peel strength to cement-based surfaces or asphalt membranes reaches 2.0N/mm or higher.
- Strong anti-sagging: Anti-sagging property $> 650\ \mu\text{m}$; does not drip on vertical surfaces; suitable for waterproofing vertical surfaces and complex structural areas.
- Roll-on coating composite construction: Supports roll-on coating composite process, combining the advantages of membranes and coatings to enhance waterproofing effect and extend waterproofing life.
- Environmentally friendly materials: Volatile organic compounds (VOCs) less than 5g , meeting the local limits of some key cities.
- High temperature resistance: More suitable for high-temperature areas; withstands temperatures up to 140°C .

Recommend Usage

$2.0\text{--}2.3\text{kg/m}^2$ for 1mm thickness coating (Note: The data belongs to the calculation of standard experimental environment and is for reference only. The actual amount should be calculated according to the site base surface.)

Packaging

50 kg/bucket

Technical Data Based For Reference

Implementation Standard: Q/SDKS180–2025 "High–Viscosity, Quick–drying Waterborne Asphalt–based Waterproof Coatings"

Table 1 Table 1 Physical Properties

NO.	Test item		Index
1	Solid content/%≥		65
2	Surface drying time/h≤		1
3	Fully drying time/h≤		2
4	Heat resistance		140
			No slip, flow, drippage
5	Low temperature flexibility/℃	Standard conditions	–5℃, no crack or break
		Alkali treatment	0℃, no crack or break
		Heat treatment	
		UV treatment	
		Salt treatment	
6	Bonding strength/MPa	Dry substrate≥	1.0
	Wet substrate≥		
7	Peel Strength/N/mm	With SBS membrane≥	2.0
8	Elongation at break/%	Standard conditions≥	400
		Alkali treatment≥	200
		Heat treatment≥	
		UV treatment≥	
		Salt treatment≥	
9	Impermeability		Impermeability
10	Anti–water–channeling/0.6MPa		0.6MPa, no water seepage
11	Sagging resistance / μ m ≥		650
a The supply and demand sides can agree on a lower humidity level for the flexibility index.			

Table 2 Limits of hazardous substances

NO.	Test item	Index
1	Solid content/%≥	5
2	Surface drying time/h≤	100
3	Fully drying time/h≤	100

Storage And Transportation

- During transportation and storage, different types of products should be stacked separately and not mixed. Avoid exposure to sunlight and rain, prevent collisions, ensure good ventilation, and maintain a storage temperature of 5°C~40°C.
- Under normal transportation and storage conditions, the shelf life is at least six months from the date of production.

Construction process

- Substrate preparation → Joint reinforcement construction → Large-area coating application (applied directly or by roller) → Inspection and verification → Laying waterproof membrane → Overlap joint treatment → Inspection and verification → Finished product protection